

FURTHER ADDITIONS AND EMENDATIONS TO THE VASCULAR FLORA OF CADDO PARISH, LOUISIANA

Barbara R. MacRoberts, Michael H. MacRoberts

*Bog Research, 740 Columbia
Shreveport, Louisiana 71104, U.S.A.
and Herbarium, Museum of Life Sciences
Louisiana State University in Shreveport
Shreveport, Louisiana 71115, U.S.A.
Michael.MacRoberts@lsus.edu*

Christopher S. Reid

*Department of Life Sciences
Louisiana State University
Baton Rouge, Louisiana 70803, U.S.A.*

Rosanna Ohlsson-Salmon

*494 Leisure Lane
Waskom, Texas 75692, U.S.A.*

ABSTRACT

The vascular flora of Caddo Parish, Louisiana, is updated. Field and herbarium research has yielded 18 species new to the parish. The total parish count is now 1441 species, of which 16.8% are non-natives.

RESUMEN

Se pone al día la flora vascular de Caddo Parish, Louisiana. Las investigaciones de campo y herbario han dado como resultado 18 especies nuevas para la parroquia. En total se conocen actualmente 1441 especies, de las que el 16.8% no son nativas.

INTRODUCTION

Since the publication of our "An updated, annotated vascular flora of Caddo Parish, Louisiana, with notes on regional phytogeography and ecology" in 2006, "Noteworthy vascular plant collections from northwest Louisiana" in 2008, and "Additions and emendations to the vascular flora of Caddo Parish, Louisiana" in 2009, plant collecting in Caddo Parish has continued and species new to the parish have been found or located in herbaria. Eighteen additions and one deletion are given below. A nomenclatural problem is also discussed. An asterisk * indicates a non-native.

ADDITIONS TO THE CADDO PARISH FLORA

ASTERACEAE

Packera tomentosa (Michx.) C. Jeffrey, Reid 6019 LSU. Sandy soil along oil/gas road in Caddo Black Bayou Preserve.

Solidago caesia L., Salmon 311 LSUS. Pine-oak-hickory slope forest in Eddie D. Jones Park.

CAPRIFOLIACEAE

Viburnum dentatum L., Salmon 193 LSUS. Wooded upland area of Eddie D. Jones Park. This species had previously been reported by Overby (1974), MacRoberts (1979), and Thomas and Allen (1996), from a specimen collected by R. Dale Thomas at NLU but we were unable to locate a voucher. Another search in 2012 by Dennis Bell at NLU failed to locate it.

CYPERACEAE

Carex bulbostylis Mackenzie, Reid 7974 LSU. Red River National Wildlife Refuge in moist reddish substrate on edge of floodplain forest. In Caddo Parish, although on east side of the Red River.

Carex floridana Schwein., Reid 3479 LSUS. Caddo Black Bayou Preserve. Sandhill woodland in mesic sand adjacent to blackwater stream alluvium in partial shade.

Dulichium arundinaceum (L.) Britt., McFarlin s.n. LSU. This was collected in 1923 on Tar Island, Caddo Lake. The label is ambiguous as to whether this was in Louisiana or Texas. We include it here as most of Tar Island is in Caddo Parish.

Eleocharis baldwinii (Torr.) Chapm., Reid 5975 LSU. Common on small islands exposed by low water, upper end of Black Bayou Lake.

Eleocharis lanceolata Fern., Reid 7214 LSUS. Beside James Bayou in open moist disturbed sand.

Eleocharis quadrangulata (Michx.) Roemer & J.A. Schultes, MacRoberts & MacRoberts 8882 LSUS. Wet area in saline prairie.

FABACEAE

Desmanthus virgatus (L.) Willd., MacRoberts & MacRoberts 8919 LSU, LSUS. Waste ground in Shreveport (MacRoberts & MacRoberts 2011b).

Desmodium pauciflorum (Nutt.) DC., Salmon 289 LSUS. Bottomland woodland in Eddie D. Jones Park.

JUNCACEAE

Luzula echinata (Small) F.J. Herm., Salmon 341 LSUS. Pine-oak-hickory slope forest; Eddie D. Jones Park. This was previously reported by Thomas and Allen (1993) but we were unable to locate a voucher. It is not reported by MacRoberts (1979, 1989) or Overby (1973). A search by Anne Bradburn at NO located a specimen collected by Penfound s.n. in 1936 "Ravines, Greenwood, Louisiana."

LIMNOCHARITACEAE

**Hydrocleys nymphoides* (Humb. & Bonpl. ex. Willd.) Buch., MacRoberts & MacRoberts 8660, 8670 LSU, LSUS. Wet ditch in Columbia Park, Shreveport (MacRoberts & MacRoberts 2010).

POACEAE

Coelorachis rugosa (Nutt.) Nash, Reid 7208 LSU, LSUS. Margins of backwater lakes.

Panicum hallii Vasey, Hitchcock US-742164. Collection made in Shreveport in 1903; exact location or habitat not specified.

POLEMONIACEAE

Phlox subulata L., Karen Luke s.n. LSU. Sandy pineland near Shreveport.

SCROPHULARIACEAE

Mecardonia procumbens (P. Mill.) Small, MacRoberts & MacRoberts 8897 LSUS. Wet ditch in Columbia Park, Shreveport.

SOLANACEAE

Physalis virginiana P. Mill., MacRoberts & MacRoberts 187 LSU, Pridgeon 31 LSU. Pine-hardwood woods. This had previously been reported for Caddo by Thomas and Allen (1998), but we were unable to find a specimen and thus did not include it on our checklist. Their report was based on the MacRoberts & MacRoberts 187 specimen. We can now confirm that it occurs in Caddo Parish.

ZYGOPHYLLACEAE

Kallstroemia parviflora Norton, MacRoberts & MacRoberts 8900, 8901, 8903, 8904, 8916, 8917c, LSU, LSUS. Common in disturbed (frequently mowed) roadside along southern extension of Clyde E. Fant Memorial Parkway (MacRoberts & MacRoberts 2011a), on Fern Avenue right-of-way south of 70th Street, and in C. Bickham-Dickson/Red River Education and Research Park.

EMENDATIONS

What we have been calling *Thelesperma filifolium* (Hook.) A. Gray from xeric sandyland communities is *Thelesperma flavodiscum* (Shinners) B.L. Turner (see Turner 2007, 2010; Strother, 2006).

We previously misidentified *Galium obtusum* Bigelow; it is *Galium tinctorium* (L.) Scop. *Galium obtusum* should be deleted from the list.

DISCUSSION

The Caddo Parish vascular plant count now stands at 1441, of which 16.8 % are non-native. By any standard, Caddo Parish is well collected and exceeds predicted species richness (Williams & Lutterschmidt 2006; Williams & Debilica 2008; see also Kartesz 2011).

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